



## THE GARLAND COMPANY, INC.

*HIGH PERFORMANCE ROOFING AND FLOORING SYSTEMS*

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2-15-13

Tim Mulcahy  
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Phone: 860-798-4095

RE: P.A. 03-220

Good Afternoon Senators and Representatives,

My name is Tim Mulcahy and I am Territory Manager for The Garland Company. Garland is a manufacturer and supplier of high performance roofing system and related components. I have over 13 years of experience in the roofing industry.

I sit before you today to respectfully request that legislation be passed to repeal the ½" per ft. slope requirement that exists for school roof projects. This requirement is costing the tax payers of Connecticut millions of dollars in additional funds than a roof system with a traditional ¼" per ft. slope with no proven or documented benefit.

It is my understanding that this legislation was introduced years ago to improve the indoor air quality and lessen than chance for mold growth in school buildings. To date I have never seen any documented proof that the ½" per ft. slope requirement has had any direct effect on indoor air quality or mold. While standing water can have a detrimental effect on the performance of roofing systems positive drainage can be achieved with lesser slopes than ½" per ft.

As a manufacturer, our biggest liability is warranty claims or adjustments. An improperly designed roof can lead to premature failure which can be very costly for a manufacturer. We presently provide warranties of 20 to 30 years on roof projects with slope as low as 1/8" per ft. Our typical assemblies require ¼" per ft. slope which is generally required by building code. I am quite certain that if there was any documented evidence that ½" per ft. slope limited water intrusion into a building or provided better indoor air quality standards it would not only be adopted by us as a manufacturer but would also would become an industry standard.

To provide some historical perspective, when setting budgets for roof replacement for clients prior to this legislation we were using figures of \$14-\$16 per sq. ft. In today's market we are now using numbers in the range of \$28-\$30 per sq. ft. While some of the cost increases are the result of increased material and labor costs the driving force behind the cost increase is the ½" per ft. slope requirement. While the additional cost of the insulation material is one factor it is the additional building modifications and related labor and materials that is required to accommodate the ½" per ft. slope on the roof surfaces. Items such as:

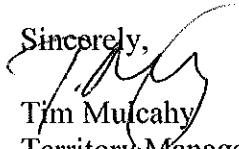
- Additional primary drains and piping

- Overflow drains and piping
- Overflow scuppers and leaders
- Wood blocking around perimeters
- Raising of Counterflashing
- Raising of mechanical units & duct work
- Interior modifications such as ceilings
- Decreased contractor production resulting in longer project completion time and increased labor costs

In closing I sit in a unique position. I am compensated on material sales. In some roof applications I stand to make more money as a result of the ½" per ft. slope requirement simply because more materials are required. With that being said as a responsible tax paying citizen of the State of Connecticut I can no longer accept the millions of dollars that are being wasted on these roof projects.

I want to thank you for your time and I hope that you give serious consideration to repealing this legislation.

Sincerely,



Tim Mulcahy  
Territory Manager